

Product datasheet for **MG219871**

Anks1b (NM_001177397) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Anks1b (NM_001177397) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Anks1b
Synonyms:	AIDA-1b; C030032C09Rik; E530015N03Rik; ENSMUSG00000078431; Gm1555; Gm10937
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG219871 representing NM_001177397 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTAATGGATTTGACAGTGTACAGTTTATGGGAAGCAATGTTATGGAAGATCAGGATTTGTTGGAAA
TTGGAATCCTTAACCTGGCCACAGACAGAGAATTCTACAAGCGATCCAGCTCCTTCAAAGATGAGGCC
CATCGGCCATGATGGCTACCATCCCACCTCTGTAGCCGAGTGGCTGGATTCCATTGAGCTGGGTGATTAC
ACCAAAGCCTTTCTCATCAATGGCTACACGTCCATGGACCTGTTGAAAAAGATCTGGGAGCTTGAGCTTA
TTAATGTTTTAAAAATCAGTTTGATTGGCCACAGGAAACGCATTTTGGCATCTTTGGGAGATAGGCTGCA
CGACGACCTCCACAGAAGCCCCCTCGGTCCATCACCTCAGGGAACCCAGTGGTAATCACACTCCTCCT
CAGTTGTCTCCATCACTTAGCCAAAGCACTTACACCCTGGTGGCTCCCTAGACGTTCTCACATTATCA
TGCAGGGCGATGCAAGGAGGAGAAGAAATGAAACTACTTTGATGATATCCCCGATCAAAGCTGGAGAG
GCAGATGGCTCAGACAGGGGACTGGGGAGAACCTTCCATCACCTTGCACCTCCTAATGAAGCCACAGCC
TCAACTCCCGTCCAGTACTGGCAGCATCATCCGAAAACTCATCTTCCAGTCATGTGACTACAAAGCCT
TTTATTTAGGTTCTATGCTGATAAAAGAGCTGAGGGGGACAGAATCAACACAGGATGCTTGTCAAAAGAT
GCGGGCTAACTGTCAGAAGTCTACAGAGCAAATGAAGAAAGTCCCCTATCATCTTTCCGTCTCATAT
AAAGGAGTAAAAATTTATCGATGCGGCAAATAAGAATATAATCGCCGAACATGAAATTCGTAATATCCT
GTGCTGCCAGGACCCAGAAGACCTCTCAACATTTGCCTATATCACAAAAGATTTGAAGTCCAACCCACCA
CTACTGTCACGTGTTACTGCCTTTGATGTGAATTTAGCCTATGAAATCATCCTGACGCTGGGACAGGCA
TTTGAGGTCGTTACCACTAGCCCTACAAGCAAGAAAAGGGGGCCATTCTCCACTCCAGAAAAGCT
TTGAGAACAAAGCCCTCGAAACCCATCCCAAAGCCCCGAGTTAGCATTTCGGAAGTCAGTGGCTCCGCAGAC
ATCCTGTCCCAACAGGCTGTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG219871 representing NM_001177397
 Red=Cloning site Green=Tags(s)

MANGFDSVQFMGSNMEDQDLLEIGILNSGHRQRILQAIQLLPKMRPIGHDGYHPTSVAEWLDSIELGDY
 TKAFILINGYTSMDLLKKIWELELINVLKISLIGHRKRILASLGDRLHDDPPQKPPRSITLREPSGNHTPP
 QLSPLSQSTYTTGGSLDVPHIIMQGDARRRRNENYFDDIPRSKLERQMAQTGDWGEPSITLRPPNEATA
 STPVQYWQHHPKELIFQSCDYKAFYLGSMLIKELRGTESTQDACAKMRANCQKSTEQMKKVPTIILSVSY
 KGVKFIDAANKNIIAEHEIRNISCAAQDPEDLSTFAYITKDLKSNHHYCHVFTAFDVNLAYEIIILTLGQA
 FEVAYQLALQARKGGHSSTLPESFENKPSKPIPKPRVSIRKSVAPQTSCP NRLV

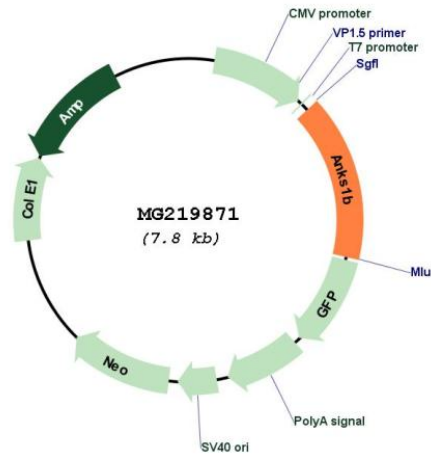
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001177397

ORF Size:	1212 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001177397.2
RefSeq Size:	7246 bp
RefSeq ORF:	1215 bp
Locus ID:	77531
UniProt ID:	Q8BIZ1
Cytogenetics:	10 C2
Gene Summary:	Isoform 2 may participate in the regulation of nucleoplasmic coilin protein interactions in neuronal and transformed cells.[UniProtKB/Swiss-Prot Function]